	449 REPRO	DDUCED		ATTORNEY DOCKET NO.   APPLICATION NO.   10/043,436					
PE	AGAR OF	EMATION DISCLOSURE C		APPLICANT	10,01	7,450			
	and A	a marater to the	Andrew Control	Junming Le et al.					
2113	0	October 9, 2002 several sheets if nece	Pagary)	FILING DATE January 10, 2002	GROUP 1644				
WY & TE	ADENTA		<u> </u>	PATENT DOCUMENTS					
EXAM-			T			SUB-	FILING	DATE	
INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS	APPROP	F	
11	AE2	4,816,567	03/28/89	Cabilly et al.		RE	CEN	/ED	
1	AF2	5,075,236	12/24/91	Yone et al.		1	ľ	Li Li	
	AG2	5,959,087	09/28/99	Rathjen et al.			<del>7 1 8 </del>	li	
	AH2	5,360,716	11/01/94	Ohmoto, Y. et al.		TECH CE	NTER 1	600/290	
<u> </u>			·						
			FOREIG	n patent documents					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSL YES	ATION NO	
	AM7	WO92/01059	23 JAN 92	PCT					
	AN7	02-227095	10 SEP 90	JP			х		
	A07	61-047500	07 MAR 86	JP			х		
	·								
Ц	<u> </u>								
Ц		OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinent	Pages,	Btc.)			
	AT11	Antibodies Agai	nst Recombi	on and Characterization nant Human Tumor Necro 7(2):121-126 (1991).	n of Mo	onoclona ctor Alp	al oha",		
	AU11	Engineered Anti	bodies: Pro	of Amphipathic Epitopoduction of Modified Im Nybridoma, 19(6):463-47	munoglo	bulins	cally with		
	AV11	Paul, W.E. (Ed. Ltd., pp. 292-2	), Fundamen 93 (1993).	tal İmmunology, 3 <sup>rd</sup> Edi	tion, 1	Pub. Rav	ven Pr	ess	
	AW11	Borrebaeck, C.A University Pres	.K. (Ed.), s, p. 291 (	Antibody Engineering, : 1995).	2 <sup>nd</sup> Edit	cion, Pul	o. Oxf	ord	
	AX11	necrosis factor	block its	dies against amino acid binding to cell-surface 829-8833 (1987).	ds 1-15 e recep	of tun	or Proc.	-	
(N)	AY11	Goh,C., "Tumour Academy of Medi	Necrosis F cine, 19(2)	actors in Clinical Prac :235-239 (1990).	ctice",	Annals	of t	he	
			·						
EXAMI	NER			DATE CONSIDERED					
		PHURGAM	mer 1	9/29/04					

Statem	ent Und		FR 1.97(e)
[ ]	any coi	mmunic	information contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more of the filing of this Information Disclosure Statement; or
[]	knowle	inicatio edge of	ormation contained in this Information Disclosure Statement was cited in a n from a foreign patent office in a counterpart foreign application, and, to the the undersigned, after making reasonable inquiry, no item of information contained tion disclosure statement was known to any individual designated in 37 CFR han three months prior to the filing of this Information Disclosure Statement.
Statem	ent Unc	<u>ler 37 C</u>	(Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000
[ ]	commu was no	inicatio t receiv	nformation contained in the Information Disclosure Statement was cited in a n from a foreign patent office in a counterpart application and this communication ed by any individual designated in § 1.56(c) more than thirty days prior to the formation Disclosure Statement.
[X]	Enclos	ed here	with is form PTO-1449:
	[]	Copies	of the cited references are enclosed.
	[X]	Applic	of cited references are enclosed except those entered in prior applications, U.S. ation No. <u>09/927,703</u> , to which priority under 35 U.S.C. 120 is claimed. The applications contains copies of the cited references.
	[]		ted references were cited in the enclosed International Search Report in a rpart foreign application.
go one	, [X] .		oncise explanation" requirement (non-English references) for references AN7 and nder 37 CFR 1.98(a)(3) is satisfied by:
		[]	the explanation provided on the attached sheet.
		[]	the explanation provided in the Specification.
		[]	submission of the enclosed International Search Report.
		[X]	the enclosed English language abstracts and also reference AH2, which is a U.S. equivalent of AN7. Copies of references AH2, AN7 and AO7 are enclosed in prior application U.S. Application No. <u>09/927,703</u> to which priority under 35 U.S.C. 120 is claimed.
[X]	Applic	ant requ	uests that the following pending applications be considered:
Examiner's Initials		_	
<b>W</b>		John C	atent Application No. 10/227,488, by Jurning Le, Jan Vilcek, Peter Daddona, Ghrayeb, David M. Knight and Scott Siegel, filed August 23, 2002, Docket No.: 005-025

Examiner

4.17 **推出于**自己的特殊的**的** 

A Later Land Commercial State Southern Commercial

Staten	nent Un	der 37 CFR 1.97(e)								
[]	any co	tem of information contained in this Information Disclosure Statement was first cited in immunication from a foreign patent office in a counterpart foreign application not more tree months prior to the filing of this Information Disclosure Statement; or								
[]	No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.									
Staten	nent Un	der 37 CFR 1.704(d) (Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000								
[]	commi	tem of information contained in the Information Disclosure Statement was cited in a unication from a foreign patent office in a counterpart application and this communication of received by any individual designated in § 1.56(c) more than thirty days prior to the of the Information Disclosure Statement.								
[X]	Enclos	sed herewith is form PTO-1449:								
•	[]	Copies of the cited references are enclosed.								
	[X]	Copies of cited references are enclosed except those entered in prior applications, U.S. Application No. 09/927,703, U.S. Application No: 09/756,398 and U.S. Application No: 09/133,119 to which priority under 35 U.S.C. 120 is claimed. The earlier applications contains copies of the cited references.								
•	[X]	Some of the listed references were cited in the enclosed International Search Report and European Search Report in a counterpart foreign application. [ISR References AS, AV, AU, AZ, AX7, AY7 and AZ7; ESR References AP2, AM3, AN3, AO3, AP3, AQ3 and AL5]								
	[]	The "concise explanation" requirement (non-English references) for reference(s) [ under 37 CFR 1.98(a)(3) is satisfied by:								
		[ ] the explanation provided on the attached sheet.								
		[ ] the explanation provided in the Specification.								
		[ ] submission of the enclosed International Search Report.								
		[ ] the enclosed English language abstract.								
[X]	Applic	ant requests that the following pending applications be considered:								
		\ \(\nu\)\\\\\(\mu\)\\\\\\\\\\\\\\\\\\\\\\\\\\								

U.S. Patent Application No. 09/756,398, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 8, 2001, Docket No.: 0975.1005-006

U.S. Patent Application No. 09/756,301, by Juming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 8, 2001, Docket No.: 0975.1005-008

And the second second 电传送器 化二氯甲酚甲基 电流管翼翼管流管 U.S. Patent Application No. 09/766,535, by Junming Le, Jan Vilcek Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 18, 2001, Docket No.: 0975.1005-010 U.S. Patent Application No. 09/897,724, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 2, 2001, Docket No.: 0975.1005-012 U.S. Patent Application No. 09/927,703, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed August 10, 2001, Docket No.: 0975.1005 1013 U.S. Patent Application No. 10/010,229, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed/December 7, 2001, Docket No.: 0975.1005-014 U.S. Patent Application No. 10/043,450, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 09/15.1005-015 U.S. Patent Application No. 10/044,534, by Junming Le, Jan Vilcek, Peter Paddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-016 U.S. Patent Application No. 10/043,432, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed January 10, 2002, Docket No.: 0975.1005-0*i*7 · Johns U.S. Paten Application No.10/176,460, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 20, 2002, Docket No.: 0975.1005-019 U.S. Patent Application No. 10/1/87,121, by Junming Le, Jan Vilcek, Peter Daddona, John Chrayeb, David M. Knight and Scott Siegel, filed June 28, 2002, Docket No.: 0975/1005-020 U.S. Patent Application No/10/186,559, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed June 28, 2002, Docket No. 0975.1005-021 U.S. Patent Application No. 10/198,845, by Junming Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David/M. Knight and Scott Siegel, filed July 18, 2002, Docket No.: 0975.1005-022 U.S. Patent Application No. 10/200,795, by Junning Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 22, 2002, Docket No.: 0975.1005-023

PHULPGAMORA a/29/04

U.S. Patent Application No. 10/208,195, by Junping Le, Jan Vilcek, Peter Daddona, John Ghrayeb, David M. Knight and Scott Siegel, filed July 29, 2002, Docket No.: 0975.1005-024

phur Campe

Examiner

- [X] The specification for the above cited co-pending applications is identical to the present specification (10/043,436). Therefore, only a copy of the current claims for each application is enclosed. Copies of the specifications of the co-pending applications will be provided upon request.
- [ ] A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

## Method of payment:

- A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- [ ] Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.
- Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380. [X]

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Dendre E- Sanlars

Deirdre E. Sanders

Registration No.: 42,122

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Concord, Massachusetts 01742-9133

Dated:

September 19,2002

PTO-	149	REPRO	DUCED		0975.1005-018		3,436	_	
	:	INFOR	MATION DISCLOSURE CI IN AN APPLICATION	MOITAT TO POST OF THE	APPLICANT JUNMING Le et al.	-	OVPE	20125	
		(Use	September 19, 2002 several sheets if neces	ssary)	FILING DATE January 10, 2002	GROUP 1644	SEP 2.37		
				บ.ร.	PATENT DOCUMENTS		PARADI PRADI	EMARIE	
EXAM INER INI- TIAI	١		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING IF APPROPI	' 1
1	I	AA	4,603,106	07/29/86	Cerami et al.	435	7	로 도 도	
1		АВ	4,822,776	04/18/89	Cerami et al.	514	21	٠ ١	2 7
		AC	5,658,570	08/19/97	Newman et al.	424	184.1	3_	<u> </u>
		AD	5,750,105	5/12/98	Newman et al.	424	133.1		3 ₹
		AE	5,231,024	7/27/93	Moeller et al.	435	240.27	600,2900	7002
		AF	5,223,395	06/29/93	Gero	435	71	<u>199</u>	
	$\Box$	AG	5,436,154	07/25/95	Barbanti et al.	435	240.27		
	П	AH	5,654,407	08/05/97	Boyle et al.	530	388.15_		
	П	AI	5,700,788	12/23/97	Mongelli et al.	514	91		
	П	LA	5,730,975	03/24/98	Hotamisligil et al.	424	130.1	ļ	
		AK	5,741,488	04/21/98	Feldman et al.	424	154.1		
	Γ			FOREIG	N PATENT DOCUMENTS		<i>i</i>		
-			DOCUMENT NUMBER	DATE	4/21/98 Feldman et al. 424 154.1  FOREIGN PATENT DOCUMENTS  DATE COUNTRY CLASS SUBCLASS			TRANSL YES	ATION NO
		AL	0 212 489 A2	04 MAR 87	EPO				
		AM	0 218 868 A2	22 APR 87	EPO		and Secretary		
		an	0 288 088 A2	26 OCT 88	EPO				
		AO	0 308 378 A2	22 MAR 89	EPO	•	<u>.</u>		
		AP	0 380 068 A1	01 AUG 90	EPO	-			
		AQ	0 393 438 A3	24 OCT 90	EPO	<u> </u>			
					thor, Title, Date, Pertinen				
į		AR	Beutler, B. et a	al., "Ident eted factor	ity of tumour necrosis cachectin," Nature, 3	facto 16:552	r and th -554 (19	e 85).	
		AS	Necrosis Factor Science, 229:86	Protects M 9-871 (1985		of En	dotoxin,	"	
N		АТ	Morrison, Sheri Science, 229:12	e L., "Tran 02-1207 (19	sfectomas Provide Novel 85).	Chim	eric Ant	ibodie	:s,"
EXA	MII	NER PU	wif GAMO	っこし	DATE CONSIDERED				

•	PTO-1	1445	REPRO	DUCED		0975.1005-018		APPLICAT	AGO P	E	
ने- <sub>विके</sub> द्	. <del>44</del>		INFOR	MATION DISCLOSURE CI		APPLICANT	t al.	(	SEP 2 3	2005 g	
				September 19, 2002		FILING DATE	2002	GROUP 3	à	i i	
		_	(Use	several sheets if nece		January 10, 2		1044	PHADE	MARK	
	EXAM INER INI- TIAL			DOCUMENT NUMBER	DATE	NAME		CLASS	SUB- CLASS	FILING II APPROP	₽
	1	1	AA2	5,776,947	07/07/98	Kroemer et a	1.	514	312	모	
	-1/2		AB2	6,015,558	01/18/00	Hotamisligil	et al.	424	142.1	E	SEP
		$\prod$	AC2	6,172,202 B1	01/09/01	Marcucci et a	al.	530	406	罗	<b>3</b>
			AD2	6,194,451 B1	02/27/01	Alpegiani et	al.	514	459	1600/2900	2002
										229	•
					FOREIG	PATENT DOCUMENT	rs				
				DOCUMENT NUMBER	DATE	COUNTRY	ř.	CLASS	SUB- CLASS	TRANSL YES	ATION NO
			AL2	0 398 327 A1	22 NOV 90	EPO					
			AM2	0 412 486 A1	13 FEB 91	EPO	*				
			AN2	0 433 900 A1	26 JUN 91	EPO -			,		
	Ш		A02	0 526 905 A2	10 FEB 93	EPO					
	Ш		AP2	WO91/02078	21 FEB 91	PCT					
ı			AQ2	WO92/07076	30 APR 92	PCT					
ļ				OTHER DOCUMENTS	(Including Aut	thor, Title, Date	, Pertinent	Pages,	Btc.)		
			AU	Liang, Chi-Ming Antibodies Agair Biochem. & Bioph	nst Recombin	ant Human Tum	or Necros	is Fact			
			AV	Hirai, Makoto et antibodies to hu 96:57-62 (1987).	uman tumor n						
1			WA	Piguet, Pierre-F Effector of Skir Disease," <i>J. Ex</i>	n and Gut Le	esions of the	Acute Pha				
			AX	Meager, Anthony Antibodies Direc Tumour Necrosis	cted Against	: Antigenic De	terminant	s of Re	combina	ant Hu	
	p		AY	Fendly, Brian M Neutralizing Epi 370 (1987).							
	EXAN	IIN	ER	PHUP GAGO	916	DATE CONSIDERED					

. PTO-14	49 REPRO	ODUCED		ATTORNEY DOCKET NO. 0975.1005-018	10/043				
iga) kijiyatin	INFO	RMATION DISCLOSURE C IN AN APPLICATION		APPLICANT Junning Le et al.		OVP	E TELES	١.	
	(Ilgê	September 19, 2002 several sheets if necessity		FILING DATE January 10, 2002  PATENT DOCUMENTS  GROUP 1644  FILING DATE GROUP 1644  FILING DATE FILING DATE FILING DATE GROUP 1644  FILING DATE FILING			<del>3 2002     </del>	2002	
<b> </b>				PATENT DOCUMENTS	<u></u>	& TRAI	DEMARK		
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING IF APPROPI		
			FOREIG	N PATENT DOCUMENTS	<u> </u>				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLI YES	ATIC N	
M	AL3	WO 92/13095	06 AUG 92	PCT		RECE	IVEC	)	
1	АМ3	0 260 610 A2	23 MAR 88	EPO		SEP 3	2002		
	AN3	91/09967	11 JUL 91	PCT	TEC			200	
	A03	0 351 789 A2	24 JAN 90	EPO	IEU	H CENTER	1600/2	300	
	АРЗ	0 350 690 A2	17 JAN 90	EPO					
	AQ3	90/00902	08 FEB 90	PCT					
	AL4	WO 92/11383	09 JUL 92	PCT					
	AM4	WO 93/02108	04 FEB 93	PCT				>	
	AN4	WO 92/16553	19 MAR 92	PCT					
	<del></del>	OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinen	t Pages/	Etc.)			
	AZ	Human Tumor Nec	rosis Facto: mmunoassays	ggarwal, Bharat B., "Mors Alpha and Beta: App. , and as Structural Pro	lication	ns for A	Affini	ty	
	AR2			Anti-cachectin/TNF moneg lethal bacteraemia,"					
	AS2			y to tumor necrosis factia, 44:606-607 (1988)		NF) redu	ıces		
я	AT2		or necrosis	., "Monoclonal antibod factor: prevention of -318 (1988).					
	AU2	Di Giovine, Francexudates, " Anna	ncesco, S. olds of the R	et al., "Tumour necros heumatic Diseases, 47:	is facto 768-772	or in sy (1988)	ynovia.	1	
M	AV2	with a Human Mo	noclonal An	unoprophylaxis of Poly tibody Against Lipopoly bstract E-63, Abstract	ysaccha	ride Ant	igen (	эf	
EXAMI	NER	PHUND (~11	MAN.	DATE CONSIDERED					

PTO-1449	REPROD	UCED		ATTORNEY DOCKET NO. 0975.1005-018	APPLICAT 10/043		· ~.	
No.16	INFOR	MATION DISCLOSURE CO	TATION	Junming Le et al.	(	N TENTALTE (	K 452	1747 FU 1
		September 19, 2002	·	FILING DATE	GROUP	SEP 2 3	2002	
	(Use	several sheets if nece	essary)	January 10, 2002	1644	2		
			v.s.	PATENT DOCUMENTS		PRADE	AARY	
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING II APPROF	F
			FOREIG	n patent documents			L	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSI YES	ATION ON
M	A04	WO 91/09967	11 JUL 91	PCT	BE	CEIV	ED	
9	AP4	0 486 526 B2	07 MAR 01	EPO	S	P 3 0 7	2002-	
	AQ4	WO 92/02190	10 JUN 92	PCT				
$\top$	AL5	0 288 088 B1	26 OCT 88	EPO	TECH	ENTER 1	600/290	U
$T^{-}$	AM5	0 351 789 B1	24 JAN 90	EPO			-	
1	AN5	0 453 898 A2	30 OCT 91	EPO				X_
1	A05	0 585 705 A1	09 MAR 94	EPO				
1	AP5	0 614 984 A2	14 SEP 94	EPO				
1	AQ5	0 663 836 B1	26 JUL 95	EPO				_
1	AL6	WO 89/08460	21 SEP 89	PCT				
	AM6 ±	™090/01950	08 MAR 90	PCT St	ng tighters .			
	<del></del>	OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertine	nt Pages,	Etc.)		
·	AW2	Tumour Necrosis	Factor (rh	lonal Antibody (Mab) t TNF) in the Prophylaxi gus Monkeys," <i>Medical</i>	s and T	reatmen	T OF	-
	AX2	Necrosis Factor	α/Cachecti	eatment with Recombina n and Murine Interleuk ction," <i>J of Exp Med.</i> ,	$\sin 1 \alpha$	Protect	s Mic	e 9).
M	AY2	Purified to Hom	ogeneity fr	"A Tumor Necrosis Fac om Human Urine Protect J. of Bio. Chem., 264	s Cells	from T	umor	Take 1
EXAMI	NER	Hum CAM	me.	DATE CONSIDERED 9/29/64				

TIAL  FOREIGN PATENT DOCUMENTS								
	INFOR	MATION DISCLOSURE CI IN AN APPLICATION	TATION	APPLICANT		1011	E	
				FILING DATE	1	SEP 2	3 2002	
	(Use	several sheets if nece	ssary)	January 10, 2002	1644	\tag		
			v.s.	PATENT DOCUMENTS		& TRA		
NER NI-		DOCUMENT NUMBER	DATE	NAME	CLASS		/	
				-	<u> </u>			
	""		FOREIG	N PATENT DOCUMENTS	1	1		
0		DOCUMENT NUMBER	DATE	COUNTRY	CLASS			N
YO	AN6	WO 91/04054	04 APR 91	PCT	<u> </u>	RECE		
(	A06	WO 92/01472	06 FEB 92	PCT	-20	SEP 3 (	2002	
1	AP6	WO 93/11236	10 JUN 93	PCT	TEC	CENTER	1600/29/	00
1	AQ6	WO 94/08609	28 APR 94	PCT			-	
	AL7	WO 94/08619	28 APR 94	PCT				
+	.1	OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinen	t Pages,	Btc.)		
		Using a Monoclo Infection and I	nal Antibod mmunity, 57	y to Tumor Necrosis Fa (10):3131-3135 (1989).	or Necr	osis Fa	ctor	
	AS3	Bacteremia, " J.  Von Asmuth, E.J  Interleukin 6 i	Exp. Med., .U. et al., n a Zymosan	170:1627-1633 (1989).	or Alph	a (TNF-	α)and	
	AT3	Herve, P. et al Severe Acute Gv	"Monoclo	nal Anti TNF α Antibod s," Abstract 3.25, <i>Lym</i>	y for t phoma R	he Trea	tment o	f
	AU3	Monoclonal Anti Negative Shock,	body to Tum " J. of Inf	or Necrosis Factor-α i fectious Diseases, 162:	n Exper	(1990)	Gram-	
	AV3	Against Tumor N Lethal Infection Diseases, 161:1	ecrosis Fac n with <i>Pseu</i> 148-1152 (1	etor in Protecting Neut adomonas aeruginosa," 5 .990).	ropenic J. of In	fectiou	rom s	
	EWA	of Tumour Necro	sis Factor.	Human/Mouse Chimeric	TNF Pro	ceins:	General	l
M	АХЗ	Lucas, R. et al rat anti-rm TNF	., "Generat '-α monoclor	ion and characterizatinal antibody," <i>Immunolo</i>	on of a	neutra 218-223	lizing (1990)	) .
EXAM	INER	PHULP GA	moe	DATE CONSIDERED Q/29/04				

PTO-14	149 RE	PRODU	UCED		ATTORNEY DOCKET NO. 0975.1005-018	APPLICAT		·		
II lang. In		FORM	ATION DISCLOSURE CI IN AN APPLICATION		Applicant Junming Le et al.	. (.	SEP 2 3 7			
			September 19, 2002		FILING DATE January 10, 2002  GROUP 1644					
	J)	Jse s	several sheets if neces		PATENT DOCUMENTS	1	TRAINE	Mr. E	<u>;</u> —	
EXAM-	П		T		TATALL BOOMERS	T	SUB-	FILING	D.	
INER INI- TIAL			DOCUMENT NUMBER	DATE	NAME	CLASS	CLASS	APPROP		
						<u></u>	<u> </u>	<u> </u>		
	-			FOREIG	N PATENT DOCUMENTS	Т	T	TRANSL	ът	
			DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	YES	_	
							<u> </u>	1	<u> </u>	
							75	<u> </u>	L	
			<del></del>		thor, Title, Date, Pertine				_	
Ma	A	- 1	Hinshaw, L.B. et Following Therap Circulatory Shoo	y with Ant	vival of Primates in I ibody to Tumor Necrosi 292 (1990).	D <sub>100</sub> Sept Ls Facto:	tic Shoor	ck )," 		
	A	Nophar, Yaron et al., "Soluble forms of tumor necrosis factor receptors." The cDNA for the type 1 TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface an soluble form of the receptor," The EMBO Journal, 9(10):3269-3278 (1990).								
	A	R4	Engelmann, Hartn Purified from Hu	nut <i>et al.,</i> uman Urine,	"Two Tumor Necrosis F " J. of Bio. Chem., 26	Factor-b 55(3):15	inding 31-1536	Protei (1990	.n	
	Α:		Verhoef, J. and the Diagnosis an Microbiol. Dis.,	nd Treatmen	R., "Prospects for Mor at of Bacterial Infecti 250 (1990).	noclonal ions," <i>E</i>	Antibo	dies i Clin.	ņ	
	A'	Т4	Loetscher, Hansı Human 55 kd Tumo	ruedi et al or Necrosis	., "Molecular Cloning Factor Receptor," Cel	and Exp	ression 51-359	of th	ıe	
	A	U4	Schall, Thomas Receptor for Hur	J. et al., man Tumor N	"Molecular Cloning and Jecrosis Factor," <i>Cell</i>	d Expres , <i>61</i> :361	sion of -370 (1	a 990).		
	A		Production of Po	olvmorphonu	nonuclear Cells Enhance nclear Leukocytes via T vsical Research Comm.,	Tumor Ne	crosis	Factor	: ))	
	Α'	W4	Exley, A.R. et a shock," The Land	al., "Monoc cet, 335:12	clonal antibody to TNF 275-1277 (1990).	in seve	re sept	ic		
Π	A	X4	Möller, Achim e Factor α: In Vi (1990).	t al., "Mor tro and In	noclonal Antibodies to Vivo Application," <i>Cy</i>	Human T	umor Ne 2(3):16	crosis 2-169	3	
pr	7 A	Ý4	Ruddle, Nancy H Factor Prevents J. Exp. Med., 1	Transfer o	'An Antibody to Lympho of Experimental Allerg 00 (1990).	toxin an ic Encep	nd Tumor Dhalomye	Necro	) £	
EXAM	IINE	۶ (	PHUL! GAM	BE	DATE CONSIDERED					

APPLICATION DE ATTORNEY DOCKET NO. PTO-1449 REPRODUCED 10/043/436 0975.1005-018 INFORMATION DISCLOSURE CITATION APPLICANT IN AN APPLICATION to the state of the section Junming Le et al. September 19, 2002 GROUP FILING DATE January 10, 2002 1644 (Use several sheets if necessary) OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) AZ4 Galloway, Cynthia J. et al., "Monoclonal anti-tumor necrosis factor (TNF) antibodies protect mouse and human cells from TNF cytotoxicity," J. of Immunological Methods, 140:37-43 (1991). Waldmann, Thomas A., "Monoclonal Antibodies in Diagnosis and Therapy," Science, 252:1657-1662 (1991). Aderka, Dan et al., "The Possible Role of Tumor Necrosis Factor (TNF) AS5 and Its Natural Inhibitors, The Soluble-TNF Receptors, In Autoimmune Diseases, " Israel J. Med. Sci., 28(2):126-130 (1992). Pennington, James, "TNF: Therapeutic Target in Patients with Sepsis," ASM News, 58(9):479-482 (1992). Harris, William J. and Emery, Steven, "Therapeutic antibodies - the AU5 coming of age, " TBTECH, 11:42-44 (1993). Parrillo, Joseph E., "Pathogenetic Mechanisms of Septic Shock," N.E. AV5 Journal of Medicine, 328(20):1471-1477 (1993). Aggarwal, Bharat B. et al., "Human Tumor Necrosis Factor Production, Purification and Characterization, " J. of Biol. Chem., 260(4):2345-2354 Beutler, B. et al., "Purification of Cachectin, A Lipoprotein Lipase-Suppressing Hormone Secreted by Endotoxin-induced RAW 264.7 Cells, " J. Exp. Med., 161:984-995 (1985). Echtenacher, Bernd et al., "Requirement of Endogenous Tumor Necrosis AY5 Factor/Cachectingfor Recovery from Experimental Peritonitis,"  $J_{\bullet ab}f_{abb}$ Immunology, 145(11):3762-3766 (1990). Smith, Craig R., "Human and Chimeric Antibodies to LPS and TNF," AZ5 4Abstract, Endotoxemia & Sepsis Conference (1991). Bodmer, Mark, "Humanized Antibodies for Anti-TNF Therapy," Abstract, Endotoxemia & Sepsis Conference (1991). Genebank Accession, No. N90300 (1989, November 1). Genebank Accession, No. M32046 (1990, June 15). AT6 Paulus, H., "Preparation and Biomedical Applications of Bispecific AU6 Antibodies", Behring Inst. Mitt, No.78:118-132 (1985). Whittle, Nigel, et al., "Construction and Expression of a CDR-Grafted AV6 Anti-TNF Antibody, " J. Cell Biochem, Supl. 13A:96 (1989). Gorman, S.D. and Clark, M.R., "Humanisation of monoclonal antibodies for therapy, " Sem Immunol, 2:457-466 (1990). Starnes, H. Fletcher, Jr., et al., "ANTI-IL-6 Monoclonal Antibodies Protect Against Lethal Escherichia Coli Infection and Lethal Tumor Necrosis Factor∝ Challenge in Mice, " J Immunol, 145:4185-4191 (1990). PAULOGO MOR PATE CONSIDERED 9/29/04 EXAMINER

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) AY6 Duncombe, Andrew S. et al., "Tumor Necrosis Factor Mediates Autocrine Growth Inhibition in a Chronic Leukemia, " J Immunol, 143:3828-3834 (1989).AZ6 Aderka, Dan et al., "IL-6 Inhibits Lipopolysaccharide-Induced tumor Necrosis Factor Production in Cultured Human Monocytes, U937 Cells, and in Mice, " J Immunol, 143:3517-3523 (1989). Aderka, Dan, "Role of Tumor Necrosis Factor in the Pathogenesis of Intravascular Coagulopathy of Sepsis: Potential New Therapeutic Implications, " Isr J Med Sci, 27:52-60 (1991). Lassalle, Ph., et al., "Potential Implication of Endothelial Cells in Bronchial Asthma, " Int Arch Allergy Appl Immunol, 94:233-238 (1991). AT7 Fong, Yuman and Lowry, Stephen F., "Tumor Necrosis Factor in the Pathophysiology of Infection and Sepsis, " Clin Immunol Immunopathol, 55:157-170 (1990). AU7 Eck, Michael J. and Sprang, Stephen R., "The Structure of Tumor Necrosis Factor-∝ at 2.6 Å Resolution, " J Biol Chem, 264:17595-17605 (1989).Gillies, Stephen D. et al., "High-level expression of chimeric AV7 antibodies using adapted cDNA variable region cassettes, " J Immunol Methods, 125:191-202 (1989). Kameyama, Koh-zoh, et al., "Convenient plasmid vectors for construction of chimeric mouse/human antibodies, "FEBS Lett, 244:301-306 (1989). AX7 Hayashi, H. et al., "An Enzyme-linked Immunosorbent Assay for Recombinant Human Tumor Necrosis Factor Using Monoclonal Antibody," Recent Adv. Chemother, 820-821 (1985). Hirai, Makoto et al., "Production and characterization of monoclonal AY7 antibodies to human tumor necrosis factor, " J Immunol Methods, 96:57-62 Sunahara, N. et al., "Simple enzyme immunoassay methods for recombinant AZ7 human tumor necrosis factor ~ and its antibodies using a bacterial cell wall carrier, " J Immunol Methods, 109:203-214 (1988). Oliff, A., et al., "Tumors Secreting Human TNF/Cachectin Induce Cachexia in Mice, " Cell, 50:555-563 (1987). AS8 Mule, J.J., et al., "Antitumor Activity of Recombinant Interleukin 6 in Mice," The Journal of Experimental Medicine, 171:629-636 (1990). Luettig, B., et al., "Evidence For The Existence Of Two Forms Of A7/8 Membrane Tumor Necrosis Factor: An Integral Protein And A Molecule Attached To Its Receptor," The Journal of Immunology, 143:4034-4038

EXAMINER

PHULP 61MBEL 9/29/04

(1989).

DATE CONSIDERED

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Barbuto, J.A.M., et al "Production of neutralizing antibodies to tumor **BUA** necrosis factor by human tumor-infiltrating B lymphocytes," Proceedings of the American Association for Cancer Research, 34:487, Abstract 2904, (1993).Bendtzen, K., et al., "Auto-Antibodies To IL-l $\alpha$  and TNF $\alpha$  In Normal AVB Individuals And In Infectious And Immunoinflammatory Disorders," The Physiological and Pathological Effects of Cytokines, 10B:447-452 (1990).AW8 Fomsgaard, A., et al., "Auto-Antibodies To Tumour Necrosis Factor  $\alpha$  In Healthy Humans And Patients With Inflammatory Diseases And Gram-Negative Bacterial Infections, "Scand. J. Immunol., 30:219-223 (1989). James, K. and Bell, G.T., "Human Monoclonal Antibody Production Current AXR Status And Future Prospects," Journal of Immunological Methods, 100:5-40 (1987). Alberts, B. et al., Molecular Biology of the Cell, Garland Publishing Inc., pp 182-183 (1983). Simpson, S.Q., et al., "Role Of Tumor Necrosis Factor In Sepsis And Acute Lung Injury," Critical Care Clinics, 5:27-47 (1989). AR9 Bendtzen, K., et al., "Native inhibitors (autoantibodies) of  $IL-1\alpha$  and TNF," Immunology Today, 10(7):222 (1989). Davenport, C., et al., "Stimulation Of Human B Cells Specific For AS9 Candida Albicans For Monoclonal Antibody Production," FEMS Microbiol Immunol, 4(6):335-343 Abstract (1992). 3 D. S Pennica, D., et al., "Human tumour necrosis factor: precursor structure, expression and homology to lymphotoxin," Nature, 312(20/27):724-729 (1984). Gray, P.W., et al., "Cloning and expression of cDNA for human AU9 lymphotoxin, a lymphokine with tumour necrosis activity," Nature, 312(20/27):721-724 (1984). Petersen, C.M., et al., "Bioactive human recombinant tumor necrosis AV9 factor-α: an unstable dimer?\*," Eur. J. Immunol., 19:1887-1894 (1989). Smith, C. A., et al., "A Receptor for Tumor Necrosis Factor Defines an Unusual Family of Cellular and Viral Proteins," Science, 248:1019-1023 (1990).Brennan, F.M., et al., "Inhibitory Effect Of TNF $\alpha$  Antibodies On AX9 Synovial Cell Interleukin-1 Production In Rheumatoid Arthritis," The Lancet, 244-247 (1989). Hahn, T., et al., "Use of monoclonal antibodies to a human cytotoxin for its isolation and for examining the self-induction of resistance to this protein," Proc. Natl. Acac. Sci. USA 82:3814-3818 (1985). DATE CONSIDERED EXAMINER PHULP (AMBEL

SEP 2 3 2002

大大学 等等 (1) 1 (1) 1 (1) 1 (1) 1 (1)

## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

September 19, 2002

Junming Le et al.

ATTORNEY DOCKET NO.

0975.1005-018

APPLICANT

FILING DATE

APPLICATION NO. 10/043,436PE

GROUP 1644

January 10, 2002 (Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, AZ9 Grau, G.E., et al., "Tumor Necrosis Factor (Cachectin) as an Essential Mediator in Murine Cerebral Malaria, "Science, 237:1210-1212 (1987). AR10 Barbanti, E., et al., "A high-affinity neutralizing anti-human TNFalpha monoclonal antibody that cross-reacts with human TNF-beta," Abstracts, March 6th-9th (1991). AS10 Jones, E.Y., et al., "Structure of tumour necrosis factor," Nature, 338:225-228 (1989). Clark, W. R., "Types of Antibody Reactions," In The Experimental Foundations of Modern Immunology, (NY: John Wiley & Sons, Inc.) 4th Ed., pp 143-155 (1991). AU10 Beutler, B., et al., "Cachectin and tumour necrosis factor as two sides of the same biological coin," Nature, 320:584-588 (1986). AV10 Folks, T. M., et al., "Tumor Necrosis factor  $\alpha$  induces expression of human immunodeficiency virus in a chronically infected T-cell clone," Proc. Natl. Acad. Sci. USA, 86:2365-2358 (1989). Hird, V., et al., "Immunotherapy with Monoclonal Antibodies," In Genes Mass 183-189 and Cancer (John Wiley & Sons, Ltd.) (1990). AX10 Rhein, R., "Another sepsis drug down-Immunex' TNF receptor," Biotechnology Newswatch, Monday, October 4, 1993, pp. 1,3. AY10 Boyle, P., et al., "A Novel Monoclonal Human IgM Autoantibody which Binds Recombinant Human and Mouse Tumor Necrosis Factor-α," Cellular Immunology, 152:556-568 (1993). A210 Boyle, P., et al., "The B5 Monoclonal Human Autoantibody Binds to Cell" Surface  $\text{TNF}\alpha$  on Human Lymphoid Cells and Cell Lines and Appears to Recognize a Novel Epitope," Cellular Immunology, 152:569-581 (1993). Sheehan, K.C.F., et al., "Generation And Characterization Of Hamster Monoclonal Antibodies That Neutralize Murine Tumor Necrosis Factors," The Journal of Immunology, 142(11):3884-3893 (1989). Jacob, C.O., et al., "Tumour necrosis factor- $\alpha$  in murine autoimmune 'lupus' nephritis," Nature, 331:356-358 (1988). RECEIVED SEP 3 0 2002 TECH CENTER 1600/2900 EXAMINER DATE CONSIDERED PHULF GINDE 9/29/04